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EIA-520FAAA

EIA SPECIFICATION

Detail Specification for Rotary Switches of Certified Quality (Low Current Rating) 12 Positions Maximum

EIA-520FAAA

DECEMBER 1995

ELECTRONIC INDUSTRIES ASSOCIATION
ENGINEERING DEPARTMENT



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(From Standards Proposal No. 3090-B, formulated under the cognizance of EIA P-13.1 Subcommittee on Thumbwheel Switches.)

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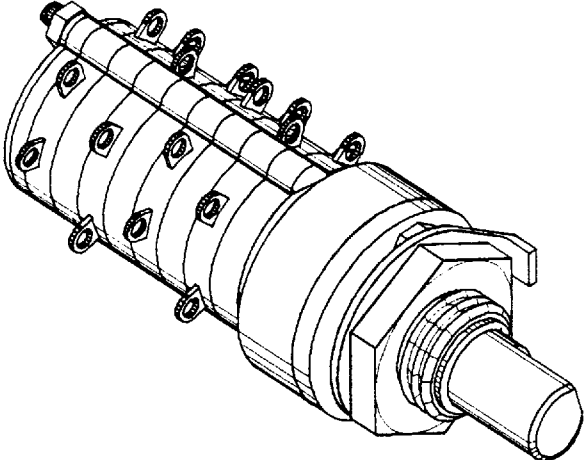
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National Standards Organization ELECTRONIC INDUSTRIES ASSOCIATION 2001 Pennsylvania Avenue N.W. Washington D.C. 20006-1813	DETAIL SPECIFICATION NUMBER E1A 520FAAA
GENERIC SPECIFICATION NUMBER Electronic Components of Assessed Quality in Accordance with E1A 5200000	BLANK DETAIL SPECIFICATION NUMBER E1A 520FA00
	PRODUCT DESCRIPTION Rotary switch (low current rating) 12 positions maximum. Central mounting. 33 mm maximum width. 30°, 36°, 45°, 60°, 90° angles of throw. Multiple deck construction.
	ELECTRICAL CIRCUIT See figure 2
	TYPICAL CONSTRUCTION Shaft and Panel Seals.
INFORMATION ON THE AVAILABILITY OF COMPONENTS QUALIFIED TO THIS SPECIFICATION IS GIVEN IN THE QUALIFIED PRODUCTS LIST	



INTRODUCTION

The complete requirements for the switches described herein shall consist of this detail specification and the current issue of EIA 5200000, "Generic Specification for Special Use Electromechanical Switches of Certified Quality" and EIA 520F000, "Sectional Specification for Rotary Switches of Certified Quality," with certain exceptions. This detail specification is intended for use with a Supplier Declaration of Conformity provided by the switch manufacturer to the rating level specified by the user/customer with reference to the ordering information in 1.6.

SECTION ONE--GENERAL DATA

1 General

1.1 Scope

The rotary switches of certified quality covered by this detail specification shall:

- a) have an indexing angle of 30°, 36°, 45°, 60°, and 90°.
- b) have maximum switch body dimensions as shown herein.
- c) have actuator and mounting dimensions as shown herein.
- d) have a maximum rated voltage of 115 V_{ac} or 30 V_{dc} (resistive circuit).
- e) have a maximum rated current of 1 A.

1.2 Dimensional parameters:

See figure 1. Original dimensions are in inches. Configuration is optional within the limits of the specified dimensions.

1.3 Ratings and characteristics:

1.3.1 Electrical ratings:

power level	115 V _{ac} , 1A resistive, or 30 V _{dc} , 1A resistive.
logic level	5 V, 10 mA.
low level	30 mV, 10 mA.